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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 09/651,771   | 08/30/2000  | Young-Soo Park       | P2041               | 2437             |
| 33942  | 7590        | 01/26/2006           | EXAMINER            |                  |
| CHA & REITER, LLC<br>210 ROUTE 4 EAST STE 103<br>PARAMUS, NJ 07652 |             |                      | BEAMER, TEMICA M    |                  |
|  |             |                      | ART UNIT            | PAPER NUMBER     |
|  |             |                      | 2681                |                  |
| DATE MAILED: 01/26/2006  |             |                      |                     |                  |

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                                      |  |  |
|------------------------------|--------------------------------------|--|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>09/651,771 | <b>Applicant(s)</b><br>PARK, YOUNG-SOO |  |
|                              | <b>Examiner</b><br>Temica M. Beamer  | <b>Art Unit</b><br>2681                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 November 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 2-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments filed 11/3/2005 have been fully considered but they are not persuasive.

Applicant argues that Raith fails to disclose wherein the charging information includes the number of the mobile terminal, a terminating party number, a call start time information, a call termination time information and a different billing qualification information. Applicant further argues that Raith fails to disclose displaying charge information in SMS format.

The examiner, however, disagrees. Raith discloses a communication system that tracks cumulative usage information by monitoring the start of a communication and the end of a communication (col. 8, lines 56-65, col. 9, lines 3-8). At the end of the call, such usage information is displayed on the SMS capable terminal (col. 6, lines 32-37) to the user using alphanumeric symbols. Alphanumeric symbols are used when formatting SMS messages.

It is inherent that the mobile number is part of the charging information as evidenced by the fact that the system knows which terminal is to be charged for the calls (col. 7, lines 7-15). Home system billing, roaming billing, terrestrial and satellite billing (col. 7, lines 1-19) and "first incoming minute free" service disclosed (col. 9, lines 42-45) reads on different billing qualification information. Further, since long distance

Art Unit: 2681

calls can be made in the system, it is inherent that the terminating party number is known in order to determine the amount to charge the user (col. 2, lines 52-65).

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 2-6 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Raith, U.S. Patent No. 6,493,547.

Regarding claims 2-6 and 18 Raith, discloses a method for informing a telephone charge to a mobile terminal subscriber in a mobile communication system, the method comprising the steps of: detecting, by a mobile communication exchange, a termination of a telephone call of a mobile terminal; providing, by the mobile communication exchange, charging information responsive to the telephone call; informing, by the mobile communication exchange, the charging information to a charging center; calculating, by the charging center, the telephone charge using the charging information received from the mobile communication exchange and informing the calculated telephone charge to the mobile communication exchange; and,

Art Unit: 2681

transmitting, by the mobile communication exchange, the telephone charge information received from the charging center via a base station in communication with the mobile terminal (col. 4, line 63-col. 5, line 5) wherein the charging information includes the number of the mobile terminal, a terminating party number, a call start time information, a call termination time information and a different billing qualification information (col. 7, lines 1-19, col. 9, lines 42-45).

Raith also discloses displaying charge information to a caller during a call, after a call is terminated, an accumulated and a total charge (col. 8, lines 29-55, col. 11, lines 24-44). Raith further discloses wherein the charging information can be displayed to user using alphanumeric format (SMS format) (col. 11, lines 14-17).

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 7-17 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Raith in view of Smyth et al (Smyth), U.S. Patent No. 6,347,224.

Regarding claim 7, Raith discloses the limitations of claim 7-17 and 19 (as they are related to claims 1-6) as described above. Raith however, fails to disclose actuating a specified key or specified sequence of keys to verify charge information by issuing a request for a telephone charge.

In a similar field of endeavor, Smyth discloses charging systems for services in communications. Smyth further discloses actuating a specified key or specified sequence of keys to verify charge information by issuing a request for a telephone charge (col. 3, lines 15-21).

At the time of invention, it would have been obvious to a person of ordinary skill in the art to modify Raith with the teachings of Smyth for the purpose of reducing high level capacity (Smyth, col. 3, lines 13-18).

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

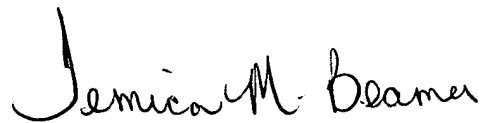
Art Unit: 2681

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Temica M. Beamer whose telephone number is (571) 272-7797. The examiner can normally be reached on Monday-Thursday (alternate Fridays) 7:00am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

tmb

  
**TEMICA BEAMER**  
**PRIMARY EXAMINER**  
11/21/06